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# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 10245491  
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APPLICATION NUMBER : 09047751

APPLICANT : NIPPON KARU KK;

INVENTOR : KAWAKAMI SHINYA;

INT.CL. : C08L101/00 C04B 35/52 C08K 3/04

TITLE : EXPANDED GRAPHITE-BASED COMPOSITION, MOLDING PRODUCT, BAKED MATERIAL, AND ITS PRODUCTION

ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject composition capable of providing an expanded graphite baked material large in thickness, low in shrinkage percentage and excellent in dimensional stability, by blending a small amount of a binder.

SOLUTION: This composition comprises (A) 100 pts.wt. of expanded graphite powder and/or ground expanded graphite and (B) 0.5-20 pts.wt. of a binder (e.g. tar, pitch a resin having a molecular structure consisting essentially of an aromatic ring). The component A is obtained, for example, by oxidizing natural graphite or kish graphite with an oxidizing agent such as concentrated sulfuric acid, washing with water and heating, has properties of 0.004-0.20g/cm<sup>3</sup> bulk density, 5-270cm<sup>3</sup>/g specific volume and a particle size of about under 16 mesh and is used.

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